

Title (en)

USER TERMINAL AND WIRELESS COMMUNICATION METHOD

Title (de)

BENUTZERENDGERÄT UND DRAHTLOSESKOMMUNIKATIONSVERFAHREN

Title (fr)

TERMINAL D'UTILISATEUR, ET PROCÉDÉ DE COMMUNICATION SANS FIL

Publication

EP 3557911 A4 20200902 (EN)

Application

EP 17880923 A 20171214

Priority

- JP 2016242219 A 20161214
- JP 2017044818 W 20171214

Abstract (en)

[origin: EP3557911A1] The present invention is designed so that communication is performed appropriately in radio communication systems that support different numerologies than existing LTE systems. A receiving section that receives a downlink control channel, and a control section that controls the detection of search spaces that serve as candidates for allocating the downlink control channel are provided, and the control section controls the detection of a common search space and a user-specific search space, in which different subcarrier spacings and/or different transmission cycles are configured.

IPC 8 full level

H04W 72/04 (2009.01); **H04L 5/00** (2006.01); **H04W 48/12** (2009.01)

CPC (source: EP US)

H04L 5/0053 (2013.01 - EP); **H04L 5/0094** (2013.01 - EP US); **H04W 48/12** (2013.01 - US); **H04W 72/0453** (2013.01 - US);
H04W 72/23 (2023.01 - US); **H04L 5/0007** (2013.01 - EP); **H04W 48/12** (2013.01 - EP)

Citation (search report)

- [XY] NTT DOCOMO: "Initial views on DL control channel design", vol. RAN WG1, no. Lisbon, Portugal; 20161010 - 20161014, 9 October 2016 (2016-10-09), XP051150083, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/> [retrieved on 20161009]
- [Y] PANASONIC: "Discussion on Single level DCI and two-level DCI", vol. RAN WG1, no. Lisbon, Portugal; 20161010 - 20161014, 9 October 2016 (2016-10-09), XP051149612, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/> [retrieved on 20161009]
- [Y] ZTE ZTE MICROELECTRONICS: "NR Downlink DCI Design and Procedure", vol. RAN WG1, no. Reno, USA; 20161114 - 20161118, 13 November 2016 (2016-11-13), XP051175274, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/> [retrieved on 20161113]
- [A] HUAWEI HISILICON: "Discussion on search space design for DL control channels", vol. RAN WG1, no. Reno, USA; 20161114 - 20161118, 13 November 2016 (2016-11-13), XP051175192, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/> [retrieved on 20161113]
- [A] PANASONIC: "Use of multiple numerologies in NR", vol. RAN WG1, no. Gothenburg, Sweden; 20160822 - 20160826, 21 August 2016 (2016-08-21), XP051140672, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/> [retrieved on 20160821]
- See references of WO 2018110619A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3557911 A1 20191023; EP 3557911 A4 20200902; EP 3557911 B1 20220831; CN 110268752 A 20190920; CN 110268752 B 20221206;
ES 2927753 T3 20221110; JP 7248431 B2 20230329; JP WO2018110619 A1 20191024; US 11601870 B2 20230307;
US 2020107245 A1 20200402; WO 2018110619 A1 20180621

DOCDB simple family (application)

EP 17880923 A 20171214; CN 201780085931 A 20171214; ES 17880923 T 20171214; JP 2017044818 W 20171214;
JP 2018556729 A 20171214; US 201716469245 A 20171214